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KENTUCKY WEEKLY CROP & WEATHER REPORT



Prepared in Cooperation with:
Univ. of Ky - Agr'l Weather Center
U.S. Dept. of Commerce - NOAA
Kentucky Department of Agriculture
Cooperative Extension Service

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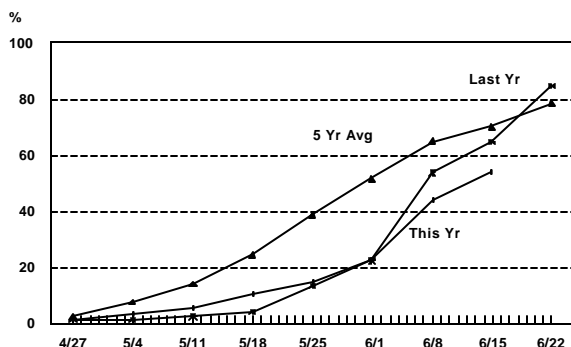
RPT 12-03

AGRICULTURAL NEWS: Rain shut down most field activities this week. Rainfall for the week ranged from 1 to 6 inches and averaged 2.58 inches statewide. Temperatures were slightly below normal making five consecutive weeks of below normal temperatures. Days suitable for fieldwork averaged only 1.9 out of a possible seven. Heavy rains caused ponding in fields along with some erosion problems. A few fields have been planted twice and have been drowned out again. Some corn fields will not be replanted while a few producers may be able to shift acreage to sorghum. **Topsoil moisture** as of Friday, June 13 was rated 25 percent adequate and 75 percent surplus. **Subsoil moisture** was rated 36 percent adequate and 64 percent surplus. The continued wet weather stopped small grain and hay harvest and raised concerns that some tobacco may not be set this year.

CORN: Heavy rains produced standing water in corn fields again this week. About 94 percent of the planted acreage had emerged, compared with 97 percent for both last year and the average. Emerged corn was in fair to good condition, with 3 percent very poor, 13 percent poor, 29 percent fair, 39 percent good and 16 percent excellent. Rain has made weed control difficult. Excess moisture has caused nitrogen leaching with some corn turning yellow.

SOYBEANS: Very few soybeans were planted this week. Rain stopped the small grain harvest which is delaying seeding of double crop beans. The soybean crop remains one to two weeks behind normal. As of Sunday, June 15, about 54 percent of the crop had been seeded, compared with 65 percent a year ago, and behind the average of 70 percent. Only 39 percent of planted acreage had emerged, compared with 54 percent a year ago, and the average of 59. Average height of emerged plants was 3 inches. Condition of emerged soybeans was rated 2 percent very poor, 7 percent poor, 35 percent fair, 47 percent good, and 9 percent excellent.

SOYBEAN PLANTING PROGRESS

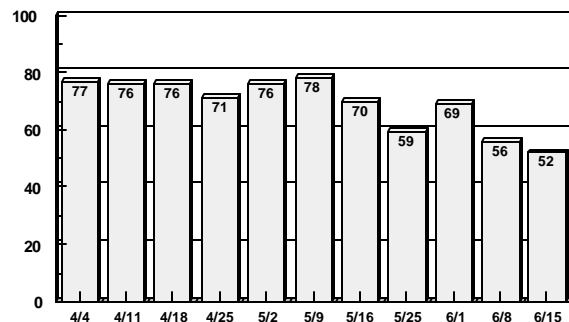


TOBACCO: Wet soils made transplanting tobacco difficult this week. As of Sunday, June 15, 65 percent of the intended **burley** acreage had been set, compared with 85 percent a year ago and the average of 87 percent. **Dark tobacco** acreage was 85 percent set. Concerns about the availability of transplants are increasing. Controlling size and quality of plants in plant beds is becoming a major problem. Disease and pest problems are starting to show up. Condition of set tobacco was reported as 1 percent very poor, 11 percent poor, 32 percent fair, 45 percent good, and 11 percent excellent. Tobacco plants showed little growth this week with 91 percent under 12 inches tall, and 9 percent over 12 inches high.

SMALL GRAINS: **Small grain** harvest made very little progress due to the wet weather. **Barley** harvest remained at 55 percent complete, compared with 92 percent completed last year and the average of 83. **Wheat** harvest was 6 percent complete compared with 17 percent completed a year ago and the average of 21. Lodging is starting to become a problem in wet fields. Head scab and fusarium wilt may affect yield and quality. As of Friday, June 13, wheat condition was reported as 1 percent very poor, 13 percent poor, 34 percent fair, 34 percent good and 18 percent excellent.

OTHER CROPS: Producers are looking for ways to conserve the first cutting of hay. Wrapping bales in plastic and making haylage are some of the methods used. Much hay cut has been rained on. If producers were not able to remove the hay, second crop growth will be slowed. **Pastures** remain in good to excellent condition and were rated 2 percent poor, 12 percent fair, 56 percent good and 30 percent excellent. **Grain sorghum** planting was 56 percent complete by the end of the week.

WHEAT CONDITION
% Good to Excellent



KENTUCKY CROP PROGRESS
WEEK ENDING JUNE 15, 2003
WITH COMPARISONS

Crop Stage	This Week	Previous Year	5-Yr. Avg.	Previous Week KY	U.S.
Percentage					
Corn Emerged	94	97	97	86	91
Soybeans Planted	54	65	70	44	84
Emerged	39	54	59	23	62
Sorghum Planted	56	69	70	54	65
Barley Harvested	55	92	83	55	NA
Wheat Harvested	6	17	21	6	7
Burley Tobacco Set	65	85	87	60	NA
Dark Tobacco Set	85	89	89	80	NA

(NA) Data Not Available.

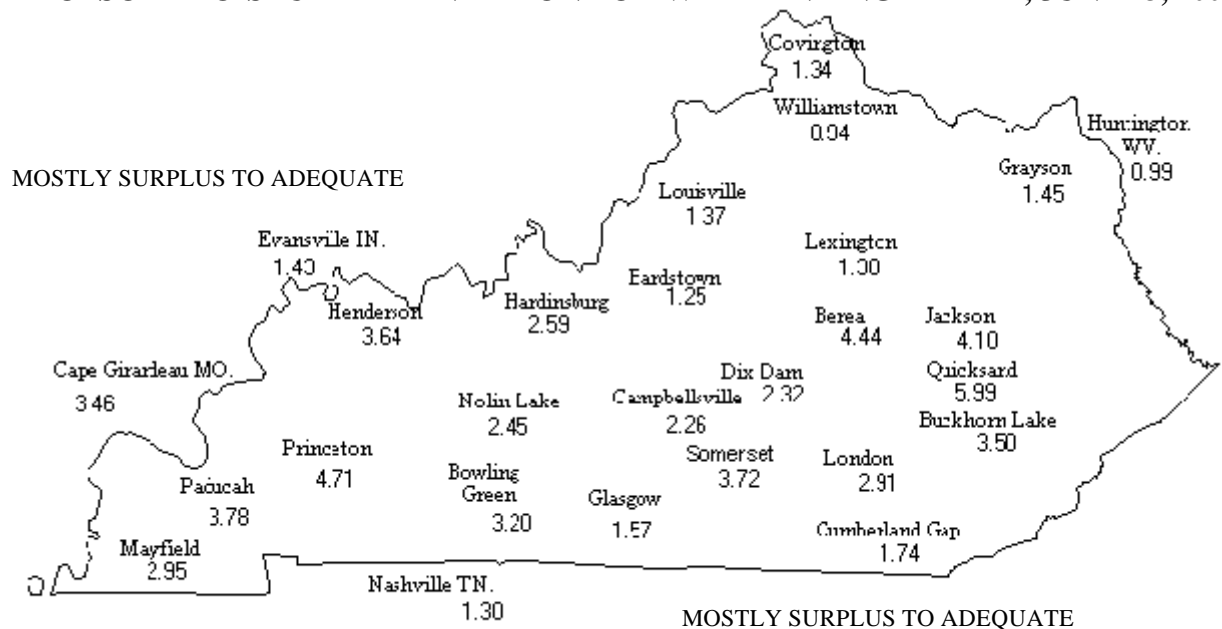
SOIL MOISTURE
WEEK ENDING JUNE 13, 2003
WITH COMPARISONS

	This Week	Previous Week
Percentage		
TOPSOIL		
Very Short	0	0
Short	0	1
Adequate	25	55
Surplus	75	44
SUBSOIL		
Very Short	0	0
Short	0	1
Adequate	36	57
Surplus	64	42

KENTUCKY CROP CONDITIONS (Percent)

CROP	WEEK ENDING JUNE 13, 2003					WEEK ENDING JUNE 6, 2003				
	VERY POOR	POOR	FAIR	GOOD	EXCEL- LENT	VERY POOR	POOR	FAIR	GOOD	EXCEL- LENT
Corn	3	13	29	39	16	3	9	30	41	17
Soybeans	2	7	35	47	9	0	2	32	48	18
Wheat	1	13	34	34	18	2	12	30	36	20
Pasture	0	2	12	56	30	0	2	11	52	35
Tobacco Set	1	11	32	45	11	0	5	26	54	15

PRECIPITATION MAP FOR WEEK ENDING SUNDAY, JUNE 15, 7:00 P.M.
TOPSOIL MOISTURE DELINEATION FOR WEEK ENDING FRIDAY, JUNE 13, 2003



KENTUCKY WEATHER SUMMARY, JUNE 9 - 15, 2003:

BELOW NORMAL TEMPERATURES AND ABOVE NORMAL RAINFALL:

Much above normal rainfall for the second week in a row, as a potent frontal system approached the area by Wednesday, and lingered through the weekend. This week's rainfall not only brought further delays to field work, but also brought the State's rainfall total to 17.71 inches from April 1st through June 15th. Even with no more rain through the end of June, this April, May, and June would be ranked as the 7th wettest on record, but with more rain expected over the next couple of weeks, this number is expected to change.

Temperatures for the period averaged 72 degrees across the State which was 1 degree below normal, making it 8 degrees warmer than the previous week, but the fifth week in a row with below normal temperatures. High temperatures averaged from 81 in the West to 80 in the East. Departure from normal high temperatures ranged from 6 degrees below normal in the West to 2 degrees below normal in the East. Low temperatures averaged from 64 degrees in the West to 63 degrees in the East. Departure from normal low temperature ranged from 1 degree above normal in the West to 1 degree above normal in the East. Extreme highs and lows for the period were 87 and 42, at Glasgow and Berea, respectively.

Rainfall for the period totaled 2.58 inches statewide which was 1.69 inches above normal. Precipitation totals by climate division, West 3.33 inches, Central 2.07 inches, Bluegrass 1.86 inches and East 3.05 inches, which was 2.47, 1.15, 0.99 and 2.13 inches, respectively, above normal. By station, precipitation totals ranged from a low of 0.76 inches at Spindletop to a high of 5.99 inches at Quicksand.

Tom Priddy

KENTUCKY TEMPERATURES AND RAINFALL

FOR WEEK ENDING SUNDAY, JUNE 15, 7:00 P.M.

Weather Station	Rainfall			Deviation From		Air Temperature				Growing Degree Days		
	Last Week	Since April 1	Last Four Wks	Norm Since Apr. 1	Norm Last 4 Wks	High	Low	Wkly. Avg.	Dev. From Norm	Last Week	Since Apr. 1	Dev. Since Apr. 1
	(Inches)					(Degrees Fahrenheit)						
Bardstown	1.25	17.13	4.75	+6.95	+1.05	82	56	71.5	-1	149	1050	-45
Berea	4.44	17.51	7.68	+6.46	+3.69	82	42	67.1	-5	120	1071	-55
Bowling Green	3.20	15.51	5.54	+4.17	+1.38	86	54	72.9	+0	158	1149	+8
Bristol	1.43	14.40	3.84	+5.43	+0.43	87	54	71.4	-1	148	1022	+3
Buckhorn Lake	3.50	17.57	6.79	+7.63	+2.99	81	55	71.4	-1	149	1030	+41
Cape Girardeau	3.46	17.78	5.64	+6.42	+1.73	85	52	73.1	-2	160	1102	-85
Campbellsville	2.26	15.28	5.46	+3.27	+1.20	84	49	71.0	-2	146	1155	+44
Covington	1.34	11.46	3.48	+1.51	-0.23	81	56	70.1	-2	139	882	-92
Cumberland Gap	1.74	15.97	4.01	+4.95	-0.14	84	54	71.8	-0	150	1065	+61
Dix Dam	2.32	17.38	6.07	+6.58	+2.25	82	52	69.9	-2	136	1043	-52
Evansville	1.43	12.15	3.38	+1.64	-0.36	82	58	73.0	-2	160	1020	-91
Glasgow	1.57	15.03	5.25	+3.12	+0.83	87	52	73.1	+0	160	1221	+155
Grayson	1.45	17.31	5.48	+7.50	+1.77	82	55	71.6	-0	149	1005	+77
Hardinsburg	2.59	16.50	4.57	+5.43	+0.63	84	57	72.3	-1	153	1083	-58
Henderson	3.64	16.43	5.83	+5.72	+2.03	82	59	72.6	-2	157	1097	-44
Huntington	0.99	17.00	4.58	+7.29	+0.94	83	55	71.6	-0	149	1000	-4
Jackson	4.10	16.86	7.48	+6.37	+3.69	81	56	71.6	-0	150	986	-3
Lexington	1.38	16.99	5.75	+6.81	+2.05	82	55	71.6	-0	150	980	-9
London	2.91	17.44	5.83	+7.45	+2.23	82	52	70.9	-1	145	1008	+4
Louisville	1.37	16.18	3.40	+5.60	-0.27	83	58	72.3	-1	154	1044	-67
Mayfield	2.95	14.11	4.36	+2.37	+0.57	82	55	71.8	-3	151	1049	-153
Nashville	1.30	14.02	3.34	+2.98	-0.49	85	57	73.8	+1	165	1209	-8
Nolin Lake	2.45	15.83	4.81	+3.86	+0.55	84	54	72.6	-0	156	1146	+81
Paducah	3.78	16.28	5.34	+4.31	+1.24	85	55	73.0	-2	159	1141	-46
Princeton	4.71	16.70	6.05	+5.02	+2.04	85	53	71.9	-3	152	1157	-14
Quicksand	5.99	20.16	10.00	+9.67	+6.21	81	56	71.6	-0	149	1045	+56
Somerset	3.72	20.06	9.74	+8.52	+5.49	83	51	71.3	-1	148	1077	-3
Spindletop	0.76	13.37	5.05	+3.19	+1.35	81	58	71.9	-0	151	948	-41
Williamstown	0.94	11.02	3.77	+0.57	+0.04	85	54	72.1	+0	152	1017	+28

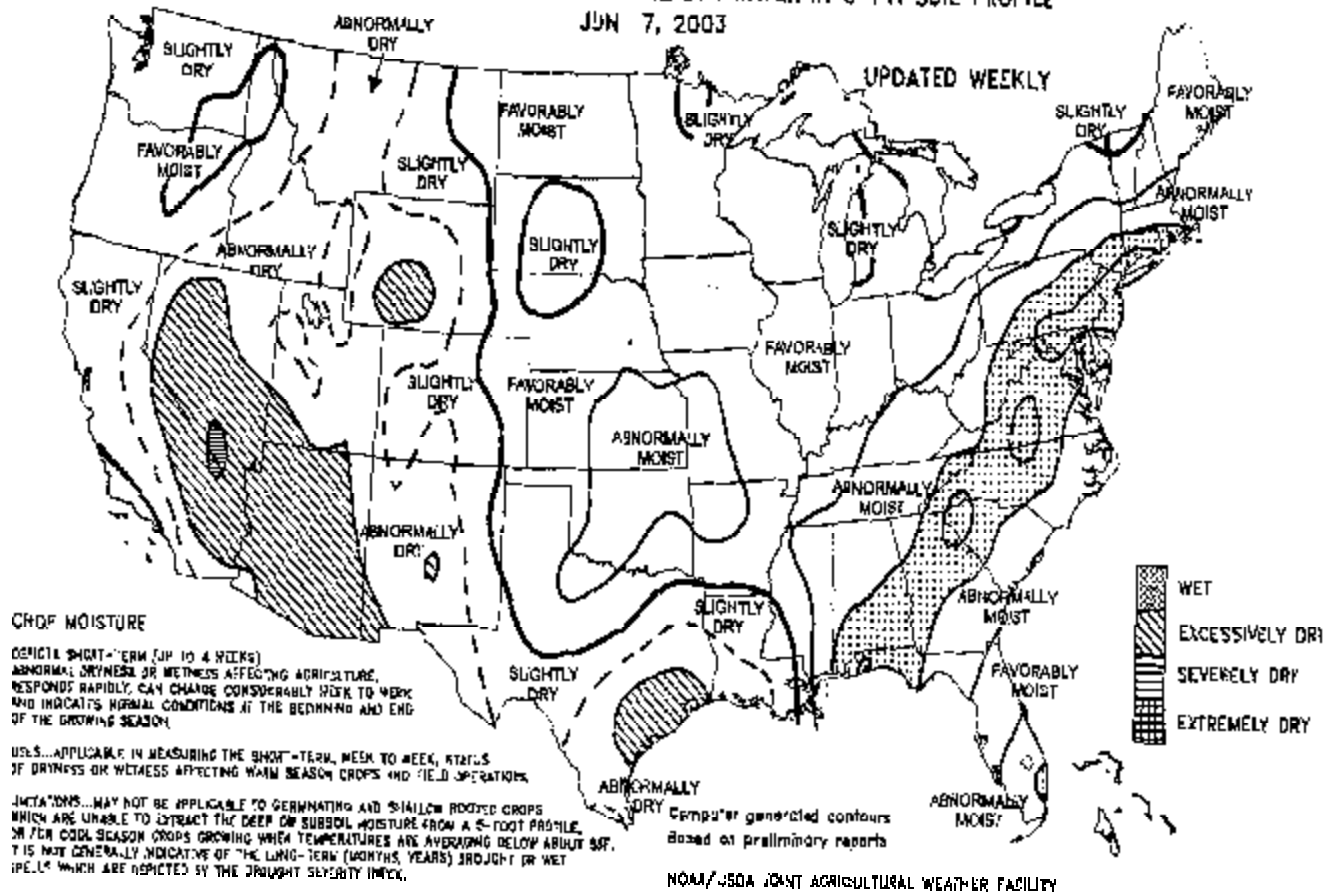
The above information is provided by Tom Priddy, Kentucky Extension Agricultural Meteorologist, University of Kentucky Agr'l Weather Center (859)257-3000 ext 245. E-mail: priddy@uky.edu Additional Ky weather data available on Internet at: <http://www.wagwx.ca.uky.edu/>

Crop Moisture

SHORT TERM, CROP NEED VS. AVAILABLE WATER IN 5-FT. SOIL PROFILE

JUN 7, 2003

UPDATED WEEKLY



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